



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/681,488	04/16/2001	Alexandru Gavrilescu	1018.129US1	3974
45979	7590	12/15/2004	EXAMINER	
PERKINS COLE LLP P. O. BOX 1247 SEATTLE, WA 98111-1247			GOLD, AVI M	
			ART UNIT	PAPER NUMBER

2157

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<p align="center"><b>Office Action Summary</b></p>	<b>Application No.</b> 09/681,488	<b>Applicant(s)</b> GAVRILESCU ET AL.	
	<b>Examiner</b> Avi Gold	<b>Art Unit</b> 2157	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 September 2004.  
2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-37 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-37 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

The Amendment received on September 9, 2004 has been entered and fully considered.

### ***Response to Amendment***

#### ***Specification***

1. The disclosure is objected to because it contains an embedded hyperlink and/or other form of browser-executable code. Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01. The embedded hyperlinks are found in paragraphs [0040] and [0042].

#### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3, 5-8, 10-13, 15, and 17-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fin et al., U.S. Patent No. 6,240,444 further in view of Quatrano et al., U.S. Patent No 6,675,216.

Fin teaches the invention substantially as claimed including multiple users sharing the same HTML page on the Internet (see abstract).

As to claims 1, 23, and 30, Fin teaches a method for a first user to cobrowse a plurality of pages formatted according to one or more markup languages and organized into one or more web sites with a second user comprising:

initiating a cobrowsing session between a first client of the first user and a second client of the second user (col. 3, lines 24-35, Fin discloses one client collaborating with another client which needs an initiation);

browsing a web site on the first client by the first user (col. 3, lines 24-41, Fin discloses a client browsing information on the WWW);

sending a synchronization message by the first client to the second client, the synchronization message indicating at least one command (col. 3, lines 27-35);

receiving the synchronization message by the second client (col. 3, lines 27-35, Fin discloses one client collaborating with another client which needs a synchronization); and,

cobrowsing the web site on the second client by the second user in accordance with the synchronization message (col. 3, lines 27-35, Fin discloses a sharing client viewing the web page controlled by the source client which is done in accordance with a necessary synchronization message).

Fin fails to teach the limitation further including the use of a cookie of the web site.

However, Quatrano teaches systems and methods for collaborating over the Internet in which two or more participants can share dynamic content generated by a

web site server (see abstract). Quatrano teaches the use of cookies used for web sites transmitted between collaborative computing devices (col. 5, lines 12-17).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Fin in view of Quatrano to use a cookie of web site when cobrowsing. One would be motivated to do so because it helps ensure that the user of the second client is seeing the same web pages as the user of the first client.

Regarding claims 2, 24, and 31, the method of claims 1, 23, and 30, further comprising repeating browsing on the first client, sending the synchronization message by the first client, receiving the synchronization message by the second client, and cobrowsing on the second client until the cobrowsing session is terminated (col. 3, lines 27-35; col. 15, lines 58-60, Fin discloses a web collaboration being terminated).

Regarding claim 3, the method of claim 1, wherein initiating the cobrowsing session between the first client of the first user and the second client of the second user is in accordance with a preexisting protocol (col. 4, lines 35-37, Fin discloses the use of a TCP/IP protocol for communication among clients).

Regarding claims 5, 25, and 32, the method of claims 1, 23, and 30, wherein browsing the web site on the first client by the first user comprises browsing a new page of the web site, such that the synchronization message indicates the current page being

navigated as the new page (col. 15, lines 7-33, Fin discloses a request to display a Web document that the sending user opens).

Regarding claim 6, the method of claim 5, wherein cobrowsing the web site on the second client by the second user comprises opening a new browser window for the current page where no other browser window is open for the cobrowsing session on the second client (col. 15, lines 34-49, Fin discloses a new browser window being opened to allow the same Web document as the first client to be displayed).

Regarding claims 7, 26, and 33, the method of claims 1, 23, and 30, wherein browsing of the web site on the first client by the first user comprises scrolling within the current page at least one of vertically and horizontally such that the current relative position on the current page being navigated and viewed is changed, such that the synchronization message indicates the current relative position as changed, causing cobrowsing the web site on the second client by the second user to correspondingly scroll within the current page (col. 15, lines 62-67; col. 16, lines 1-22, Fin discloses the receiving clients having the same state of the Web browser as the sending client).

Regarding claim 8, the method of claim 7, wherein the current relative position on the current page being navigated is indicated in accordance with a preexisting model specifying page layout (col. 15, lines 62-67; col. 16, lines 1-22).

Regarding claims 10, 27, and 34, the method of claims 1, 23, and 30, wherein the group of commands further comprises a portion of the current page being highlighted by the first user on the first client, such that the synchronization message indicates the portion of the current page being highlighted, causing cobrowsing the web site on the second client by the second user to correspondingly highlight the portion of the current page (col. 17, lines 4-27, Fin discloses the sharing of data from input devices among clients).

Regarding claims 11, 28, and 35, the method of claims 1, 23, and 30, wherein the group of commands further comprises a change of focus from a first browser window to a second browser window by the first user on the first client, such that the synchronization message indicates the change of focus, causing cobrowsing the web site on the second client by the second user to correspondingly change focus from a first browser window on the second client to a second browser window of the second client (col. 19, lines 34-38, Fin discloses a new window opened on the first client will open the same document on the second client).

Regarding claims 12, 29, and 36, the method of claims 1, 23, and 30, wherein the group of commands further comprises a resizing of a browser window by the first user on the first client, such that the synchronization message indicates the resizing, causing cobrowsing the web site on the second client by the second user to

correspondingly resize a browser window on the second client (col. 15, lines 62-67; col. 16, lines 1-22).

Regarding claim 13, the method of claim 1, wherein sending the synchronization message and receiving the synchronization message are received in accordance with a preexisting protocol (col. 3, lines 24-35).

Regarding claim 15, the method of claim 1, wherein the synchronization message is formatted in accordance with an extension to a preexisting protocol (col. 4, lines 32-43; col. 3, lines 24-35).

Regarding claim 17, the method of claim 1 further comprising terminating the cobrowsing session (col. 15, lines 58-60).

Regarding claim 18, the method of claim 1 further comprising passing control of the cobrowsing session from the first client of the first user to the second client of the second user (col. 17, lines 10-27, Fin discloses a client other than the first one being the source to collaborate with).

Regarding claim 19, the method of claim 18, wherein the group of commands further comprises a transfer of control of the cobrowsing session from the first client to the second client, such that the synchronization message indicates the transfer of



control (col. 17, lines 10-27, Fin discloses a client other than the first one being the source to collaborate with; where transfer of control and a synchronization message would be inherent).

Regarding claim 20, the method of claim 18, wherein the group of commands further comprises a request to obtain control of the cobrowsing session by the second client from the first client, such that the synchronization message indicates the request to obtain control (col. 17, lines 10-27, Fin discloses a client other than the first one being the source to collaborate with; where request to obtain control would be inherent).

Regarding claim 21, the method of claim 18, further comprising:

browsing a web site on the second client by the second user (col. 17, lines 10-27, Fin discloses a client other than the first one browsing a web site; col. 3, lines 24-41);

sending a synchronization message by the second client to the first client, the synchronization message indicating at least one commands elected from the group of commands comprising: a current page of the web site being browsed on the second client by the second user and a current relative position on the current page being navigated and viewed by the second user on the second client (col. 17, lines 10-27; col. 3, lines 24-41);

receiving the synchronization message by the first client (col. 17, lines 10-27; col. 3, lines 24-41); and,

cobrowsing the web site on the first client by the first user in accordance with the synchronization message (col. 17, lines 10-27; col. 3, lines 24-41).

Regarding claim 22, the method of claim 21, further comprising repeating browsing on the second client, sending the synchronization message by the second client, receiving the synchronization message by the first client, and cobrowsing on the first client until the cobrowsing session is terminated (col. 17, lines 10-27; col. 15, lines 58-60).

4. Claims 4 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fin and Quatrano further in view of Gudjonsson et al., U.S. Patent No. 6,564,261.

Fin teaches the invention substantially as claimed including multiple users sharing the same HTML page on the Internet (see abstract). Quatrano teaches the invention substantially as claimed including systems and methods for collaborating over the Internet in which two or more participants can share dynamic content generated by a web site server (see abstract).

As to claims 4 and 14, Fin and Quatrano teach the method of claims 3 and 13.

Fin and Quatrano fail to teach the limitation further including the use of a Session Initiation Protocol (SIP) for a preexisting protocol.

However, Gudjonsson teaches a system and method of establishing communication sessions between users as a function of their availability and/or communication device(s) (see abstract). Gudjonsson teaches the use of Session

Initiation Protocol (SIP) in a communication session (col. 12, lines 55-67; col. 13, lines 1-4).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Fin and Quatrano in view of Gudjonsson to use a Session Initiation Protocol (SIP). One would be motivated to do so because Session Initiation Protocol (SIP) is a well-known and efficient protocol that is used in sessions with one or more participants.

5. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fin and Quatrano further in view of Anupam et al., U.S. Patent No. 6,535,912.

Fin teaches the invention substantially as claimed including multiple users sharing the same HTML page on the Internet (see abstract). Quatrano teaches the invention substantially as claimed including systems and methods for collaborating over the Internet in which two or more participants can share dynamic content generated by a web site server (see abstract).

As to claim 9, Fin and Quatrano teach the method of claim 8.

Fin and Quatrano fail to teach the limitation further including the use of a Document Object Model (DOM) for a preexisting model.

However, Anupam teaches a method for creating and playing back a smart bookmark that automatically retrieves a requested web page through a plurality of intermediate web pages (see abstract). Anupam teaches the use of Document Object Model as a page layout model (col. 5, lines 25-67; col. 6, lines 46-58).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Fin and Quatrano in view of Anupam to use a Document Object Model. One would be motivated to do so because DOM is a standard in page layout specification models, which makes cobrowsing more accurate and efficient.

6. Claim 16 rejected under 35 U.S.C. 103(a) as being unpatentable over Fin and Quatrano further in view of Kumar et al., U.S. Patent No. 6,006,253.

Fin teaches the invention substantially as claimed including multiple users sharing the same HTML page on the Internet (see abstract). Quatrano teaches the invention substantially as claimed including systems and methods for collaborating over the Internet in which two or more participants can share dynamic content generated by a web site server (see abstract).

As to claim 16, Fin and Quatrano teach the method of claim 15.

Fin and Quatrano fail to teach the limitation further including the use of a Session Description Protocol (SDP) for a preexisting protocol for the synchronization message.

However, Kumar teaches a method and apparatus to provide a back channel for receiver terminals in a loosely coupled conference (see abstract). Kumar teaches the use of SDP to encode the conference announcement.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Fin and Quatrano in view of Kumar to use a Session Description Protocol as a protocol for the synchronization message. One would be motivated to do

so because it is a well-known protocol that efficiently encodes information about sessions.

7. Claim 37 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fin et al., U.S. Patent No. 6,240,444 further in view of Anupam et al., U.S. Patent No. 6,535,912.

Fin teaches the invention substantially as claimed including multiple users sharing the same HTML page on the Internet (see abstract).

As to claim 37, Fin teaches a method for cobrowsing a plurality of pages formatted according to one or more markup languages and organized into one or more web sites, comprising:

initiating a cobrowsing session between a first client and a second client (col. 3, lines 24-35, Fin discloses one client collaborating with another client which needs an initiation);

browsing a web site on the first client (col. 3, lines 24-41, Fin discloses a client browsing information on the WWW);

sending a synchronization message by the first client to the second client, the synchronization message indicating at least one command comprising an indication of the determined action, the at least one command for causing the second client to cobrowse in accordance with the synchronization message (col. 3, lines 27-35, Fin discloses one client collaborating with another client which needs a synchronization and

a sharing client viewing the web page controlled by the source client which is done in accordance with a necessary synchronization message).

Fin fails to teach the limitation further including the use of a document object to model an action performed at the first client.

However, Anupam teaches a method for creating and playing back a smart bookmark that automatically retrieves a requested web page through a plurality of intermediate web pages (see abstract). Anupam teaches the use of Document Object Model as a page layout model (col. 5, lines 25-67; col. 6, lines 46-58).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Fin in view of Anupam to use a Document Object Model. One would be motivated to do so because DOM is a standard in page layout specification models, which makes cobrowsing more accurate and efficient.

### ***Response to Arguments***

8. Applicant's arguments with respect to claims 1-36 have been considered but are moot in view of the new ground(s) of rejection. In addition, the Examiner would like to note that there is an objection to embedded hyperlinks, not the XML schema, in the specification.

***Conclusion***

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,657,990 to Dilip et al.

U.S. Pat. No. 6,571,245 to Huang et al.

U.S. Pat. No. 5,941,957 to Ingrassia, Jr. et al.

U.S. Pat. No. 6,654,785 to Craig.

U.S. Pat. No. 6,298,356 to Jawahar et al.

U.S. Pat. No. 6,230,171 to Pacifici et al.

U.S. Pat. No. 5,944,791 to Scherpbier.

U.S. Pat. No. 6,219,679 to Brisebois et al.

U.S. Pat. No. 6,651,105 to Bhagwat et al.

U.S. Pat. No. 6,510,439 to Rangarajan et al.

U.S. Pat. No. 6,442,550 to Rajamony

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Avi Gold whose telephone number is 571-272-4002.

The examiner can normally be reached on M-F 8:00-5:30 (1st Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Avi Gold  
Patent Examiner  
Art Unit 2157  
  
AMG



**SALEH NAJJAR**  
**PRIMARY EXAMINER**